



## PATENT ABSTRACTS OF JAPAN

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## (57) Abstract:

**PROBLEM TO BE SOLVED:** To correct differences of luminance characteristics for every LED element in an initial stage by performing luminance corrections to display data to be expressed with R, G, B while using luminance correction factors which are preliminarily set every LED elements.

**SOLUTION:** A display data generating part 3 develops display code information from a transmission part 2 to dot pattern data capable of being recognized by an LED display part 5. A display data buffer part 4 stores the dot pattern data in one screen unit of the display part 5. A luminance correction factor storage part 6 measures luminance characteristic of R, G, B data of respective LED elements and stores luminance correction data so that the luminance of the whole of the

LED display part 5 become uniform. A corrected display data generating part 7 corrects the luminance of the dot pattern data and transmits the corrected display data to the LED display part 5. That is, a high-quality LED display device is obtained by storing luminance correction factors of respective LED elements and by correcting the unevenness of luminance due to differences of individual bodies of the LEDs being in the initial stage while applying luminance corrections to the display data.

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